

OLT SNMP 3.40.0

LTP-8X, LTP-4X

OLT SNMP
3.40.0 (10.12.2020)

- 1 [ONT](#)
 - 1.1
 - 1.1.1
 - 1.1.2
 - 1.1.2.1 [ONT](#)
 - 1.1.2.2 [Cross-Connect DBA](#)
 - 1.1.2.3 [Custom Cross-Connect](#)
 - 1.1.2.4 [Selective-tunnel uvids](#)
 - 1.1.3 [ONT](#)
 - 1.1.4 [ONT](#)
 - 1.1.5
 - 1.1.6
 - 1.1.7
 - 1.1.8
 - 1.1.9
 - 1.1.10 [ONT OMCI](#)
 - 1.2
 - 1.2.1 [ONT](#)
 - 1.2.2 [PPP-](#)
 - 1.2.3 [MAC-](#)
 - 1.2.4 [IGMP-](#)
 - 1.2.5 [ONT](#)
 - 1.2.6 [ONT](#)
 - 1.2.6.1 [Cross-connect](#)
 - 1.2.6.2 [ETH-](#)
 - 1.2.6.3 [ETH-](#)
 - 1.2.6.4 [downstream BER](#)
 - 1.2.6.5 [service utilization](#)
 - 1.2.6.6 [service-utilization](#)
 - 1.2.6.7 [service-utilization](#)
 - 1.2.7 [ONT](#)
 - 1.2.8 [GPON-](#)
- 2 [OLT](#)
 - 2.1
 - 2.1.1
 - 2.1.2
 - 2.2 [VLAN](#)
 - 2.2.1 [VLAN](#)
 - 2.2.2 [VLAN](#)
 - 2.2.3 [VLAN](#)
 - 2.2.4 [VLAN, VLAN](#)
 - 2.3 [Terminal VLAN](#)
 - 2.3.1
 - 2.3.2
 - 2.3.3
 - 2.3.4 [Terminal VLAN, Terminal VLAN](#)
 - 2.4 [IGMP/MLD](#)
 - 2.4.1 [IGMP/MLD Snooping](#)
 - 2.4.2 [IGMP Snooping, Querier VLAN](#)
 - 2.5 [OLT, ONT](#)
 - 2.5.1 [Address-table](#)
 - 2.5.1.1
 - 2.5.1.2
 - 2.5.1.3
 - 2.5.2 [Cross-connect](#)
 - 2.5.2.1
 - 2.5.2.2
 - 2.5.2.3
 - 2.5.2.4
 - 2.5.3 [DBA](#)
 - 2.5.3.1
 - 2.5.3.2
 - 2.5.3.3
 - 2.5.3.4
 - 2.5.4 [Ports](#)
 - 2.5.4.1
 - 2.5.4.2
 - 2.5.4.3
 - 2.5.4.4

- 2.6 PON
 - 2.6.1 , PON
 - 2.6.2
 - 2.6.3 unknown multicast forwarding
 - 2.6.4
 - 2.6.4.1 Ethernet-
 - 2.6.4.2
- 2.7 switch
 - 2.7.1 PVID
 - 2.7.2 bridging
 - 2.7.3 Port Channel
 - 2.7.3.1
 - 2.7.3.2
 - 2.7.3.3
 - 2.7.4 multicast loopback
- 2.8 IP Source Guard
 - 2.8.1
 - 2.8.2 IP Source Guard Bind
 - 2.8.3 IP Source Guard Ignored Vlan
- 3 /,
 - 3.1 OLT (tftp/http)
 - 3.1.1 OLT
 - 3.1.2 LTP
 - 3.2
 - 3.3 ONT
 - 3.3.1
 - 3.3.2
 - 3.3.3
 - 3.4 /
 - 3.4.1
 - 3.4.2
- 4 OLT
 - 4.1
 - 4.2 LTP
 - 4.3
 - 4.4 PON-
 - 4.5 MAC
 - 4.6 Multicast
 - 4.7 PPPoE-
 - 4.8
- 5
- 6

 , .

 , - , .

ONT

 OID MIB-

ONT (<dec_serial>), 8 , .

:

	snmp
ELTX24A80012	69.76.84.88.36.168.0.18
45-4C-54-58-00-00-00-01	69.76.84.88.0.0.0.1

ONT OID- ONT. :

Management	ltp8xONTManagementProfileTable

Ports	ltp8xONTPortsProfileTable
Shaping	ltp8xONTShapingProfileTable
Scripting	ltp8xONTScriptingProfileTable
DBA	ltp8xONTAllocProfileTable
Cross-connect	ltp8xONTCrossConnectProfileTable

unassigned, 65535.

ONT :

- ltp8xONTConfigTable — ;
- ltp8xONTCustomCrossConnectTable — custom-;
- ltp8xONTFullServicesConfigTable — Cross-Connect DBA;
- ltp8xONTSelectiveTunnelTable — selective-tunnel uvids.

ONT , gpon- ONT ID.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTConfigRowStatus.1.8.<dec_serial> i 4
ltp8xONTConfigChannel.1.8.<dec_serial> u <gpon_port>
ltp8xONTConfigID.1.8.<dec_serial> u <ont_id>
```

:

- <gpon_port> — .

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTConfigRowStatus.1.8.69.76.84.88.36.168.0.18 i 4
ltp8xONTConfigChannel.1.8.69.76.84.88.36.168.0.18 u 6
ltp8xONTConfigID.1.8.69.76.84.88.36.168.0.18 u 0
```

ONT 6/0 ELTX24A80012

ONT

ONT *ltp8xONTConfigTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.1.8.<dec_serial> <par1_type> <par1_value>
<parameter_oid_2>.1.8.<dec_serial> <par2_type> <par2_value>
.....
<parameter_oid_N>.1.8.<dec_serial> <parN_type> <parN_value>
```

:

- <parameter_oid_N> — MIB;
- <parN_type> — ;
- <parN_value> — .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTConfigDescription.1.8.69.76.84.88.36.168.0.18 s
"ont_description"
ltp8xONTConfigManagementProfile.1.8.69.76.84.88.36.168.0.18 u 1
ltp8xONTConfigFecUp.1.8.69.76.84.88.36.168.0.18 i 1
```

ONT ELTX24A80012 *description*, Management .

Cross-Connect DBA

Cross-Connect DBA *ltp8xONTFullServicesConfigTable*. custom-, — , , .

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFullServicesConfigCrossConnectProfile.1.8.<dec_serial>.<service> u <value>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTFullServicesConfigCrossConnectProfile.1.8.69.76.84.88.36.168.0.18.8 u 1
ltp8xONTFullServicesConfigDBAProfile.1.8.69.76.84.88.36.168.0.18.8 u 2
```

ONT ELTX24A80012 Cross-Connect 1 DBA 2 7.

Custom Cross-Connect

Custom Cross-Connect *ltp8xONTCustomCrossConnectTable*. — , , .

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTCustomCrossConnectEnabled.1.8.<dec_serial>.<service> i <value>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTCustomCrossConnectEnabled.1.8.69.76.84.88.36.168.0.18.3 i 1
ltp8xONTCustomCrossConnectVID.1.8.69.76.84.88.36.168.0.18.3 i 100
ltp8xONTCustomCrossConnectCOS.1.8.69.76.84.88.36.168.0.18.3 i 1
ltp8xONTCustomCrossConnectSVID.1.8.69.76.84.88.36.168.0.18.3 i 200
```

ONT ELTX24A80012 Custom Cross Connect 2 cvid=100, svid = 200, cos = 1.

Selective-tunnel uvids

Selective-tunnel uvids *ltp8xONTSelectiveTunnelTable*. , — *selective-tunnel uvid*. 1 42. *uvid* , ., uvid 1 2, uvid 3.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTSelectiveTunnelUVID.1.8.<dec_serial>.<service>.<uvid_id> i
<SelectiveTunnelUVID_value>
```

:

- <SelectiveTunnelUVID_value> — selective-tunnel uvid.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTSelectiveTunnelUVID.1.8.69.76.84.88.36.168.0.18.8.1 i 200
```

ONT ELTX24A80012 selective-tunnel uvid = 200 7.

ONT

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTConfigRowStatus.1.8.<dec_serial> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTConfigRowStatus.1.8.69.76.84.88.36.168.0.18 i 6
```

ONT ELTX24A80012.

ONT

ONT

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateReconfigure.1.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateReconfigure.1.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateReset.1.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateReset.1.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateResetToDefaults.1.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateResetToDefaults.1.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTDisableONTSerial.0 x
<hex_serial> ltp8xONTDisableChannel.0 u <gpon_port>
ltp8xONTDisableActionDisable.0 u 1
```

:

- <hex_serial> — hex-;
- <gpon_port> — .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTDisableONTSerial.0 x
"454C545824A80012" ltp8xONTDisableChannel.0 u 6
ltp8xONTDisableActionDisable.0 u 1
```

ONT ELTX24A80012 6- .

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTDisableONTSerial.0 x
<hex_serial> ltp8xONTDisableChannel.0 u <gpon_port>
ltp8xONTDisableActionEnable.0 u 1
```

:

- <hex_serial> — hex-;
- <gpon_port> — .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTDisableONTSerial.0 x
"454C545824A80012" ltp8xONTDisableChannel.0 u 6
ltp8xONTDisableActionEnable.0 u 1
```

ONT ELTX24A80012 6- .

ONT OMCI

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFirmwareUpdateViaOMCISerial.0 x <hex_serial>
ltp8xONTFirmwareUpdateViaOMCIFilename.0 s <firmware_name>
ltp8xONTFirmwareUpdateViaOMCIAction.0 u 1
```

:

- <hex_serial> — hex-;
- <firmware_name> — ONT, OLT.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwareUpdateViaOMCISerial.0 x
"454C545824A80012" ltp8xONTFirmwareUpdateViaOMCIFilename.0 s "ntp-rg-revc
3.24.3.41.fw.bin" ltp8xONTFirmwareUpdateViaOMCIAction.0 u 1
```

ONTELTX24A80012 "ntp-rg-revc-3.24.3.41.fw.bin".

ONT

ONT *ltp8xONTStateTable*.

:

```
snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.1.8.<dec_serial>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTStateState.1.8.69.76.84.88.36.168.0.18
ltp8xONTStateVersion.1.8.69.76.84.88.36.168.0.18
```

ONT ELTX24A80012.

PPP-

MAC- ONT :

:

**snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsClientMac.1.<gpon_port>.<ont_id>**

:

- <gpon_port> — , 1.

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xOLTPPPoESessionsClientMac.1.7.0
```

MAC- ONT 6/0.

PPPoE- gpon-, ONT ID MAC-.

:

**snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsPort.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSessionID.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsDuration.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsUnblock.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSerial.1.<gpon_port>.<ont_id>.6.<dec_client_mac>**

:

- <gpon_port> — , 1;
- <dec_client_mac> — MAC- .

:

```
snmpget -v2c -c public 192.168.0.1  
ltp8xOLTPPPoESessionsPort.1.6.0.6.152.222.208.0.205.252  
ltp8xOLTPPPoESessionsSessionID.1.6.0.6.152.222.208.0.205.252  
ltp8xOLTPPPoESessionsDuration.1.6.0.6.152.222.208.0.205.252  
ltp8xOLTPPPoESessionsUnblock.1.6.0.6.152.222.208.0.205.252  
ltp8xOLTPPPoESessionsSerial.1.6.0.6.152.222.208.0.205.252
```

PPP- MAC- 98:de:d0:00:cd:fc ONT 6/0.

MAC-

ltp8xONTAddressTable. ONT .

:

**snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xONTAddressEntryID.1.8.<dec_serial>**

:

```
snmpwalk -v2c -c public 192.168.0.1  
ltp8xONTAddressEntryID.1.8.69.76.84.88.36.168.0.18
```

MAC- ONT ELTX24A80012.

MAC- ONT ID- ONT.

:

**snmpget -v2c -c <ro_community> <ipaddr>
<parameter_oid>.1.8.<dec_serial>.<entry_id>**

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTAddressMacAddress.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressCVID.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressSVID.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressUVID.1.8.69.76.84.88.36.168.0.18.1
```

MAC-, CVID, SVID, UVID 1- MAC- ONT ELTX24A80012.

IGMP-

```
ltp8xONTMulticastStatsTable. ONT .
```

:

```
snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xONTMulticastStatsRecordID.1.8.<dec_serial>
```

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTMulticastStatsRecordID.1.8.69.76.84.88.36.168.0.18
```

IGMP- ONT ELTX24A80012.

IGMP- ONT ID- IGMP- ONT.

:

```
snmpget -v2c -c <ro_community> <ipaddr>
<parameter_oid>.1.8.<dec_serial>.<entry_id>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTMulticastStatsMulticastAddress.1.8.69.76.84.88.36.168.0.18.153
ltp8xONTMulticastStatsStop.1.8.69.76.84.88.36.168.0.18.153
ltp8xONTMulticastStatsStart.1.8.69.76.84.88.36.168.0.18.153
```

IP-, 153- IGMP- ONT ELTX24A80012.

ONT

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xONTConnectionLogText.1.8.<dec_serial>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTConnectionLogText.1.8.69.76.84.88.36.168.0.18
```

ONT ELTX24A80012.

ONT

```
ltp8xONTStatistics.
```

Cross-connect

OID .

1 — ONT OID

	OID	
--	-----	--

CrossConnect downstream	ltp8xONTCrossConnectDSCounterName	CrossConnect
	ltp8xONTCrossConnectDSCounterValue	CrossConnect
CrossConnect upstream	ltp8xONTCrossConnectUSCounterName	CrossConnect
	ltp8xONTCrossConnectUSCounterValue	CrossConnect
GEM downstream	ltp8xONTGEMPortPerformMonitoringDSCounterName	GEM
	ltp8xONTGEMPortPerformMonitoringDSCounterValue	GEM
GEM upstream	ltp8xONTGEMPortPerformMonitoringUSCounterName	GEM
	ltp8xONTGEMPortPerformMonitoringUSCounterValue	GEM
GAL	ltp8xONTGalEthPerformMonitoringHistDataCounterName	GAL
	ltp8xONTGalEthPerformMonitoringHistDataCounterValue	GAL
FEC	ltp8xONTFecPerformMonitoringHistDataCounterName	FEC
	ltp8xONTFecPerformMonitoringHistDataCounterValue	FEC
Service utilization 30	ltp8xONTServicesUtilizationLastUpstream	
	ltp8xONTServicesUtilizationLastDownstream	
Service utilization 5	ltp8xONTServicesUtilizationAverageUpstream	
	ltp8xONTServicesUtilizationAverageDownstream	

:

```
snmpwalk -v2c -c <ro_community> <ipaddr>
<parameter_oid>.1.8.<dec_serial>.<cross_connect_id>
```

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTCrossConnectDSCounterName.1.8.69.76.84.88.36.168.0.18.1
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTCrossConnectDSCounterValue.1.8.69.76.84.88.36.168.0.18.1
```

Cross-Connect downstream, 1- ONT ELTX24A80012.

ETH-

ltp8xONTUNIPortsStateTable.

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xONTUNIPortsStateAvailable.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateLinkUp.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateSpeed.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateDuplex.1.8.<dec_serial>.<eth_port_id>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTUNIPortsStateAvailable.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateLinkUp.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateSpeed.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateDuplex.1.8.69.76.84.88.36.168.0.18.1
```

1- ETH- ONT ELTX24A80012.

ETH-

OID .

	OID	
ETH extended downstream	ltp8xONTEthFrameExtendedPerformMonitoringDSCounterName	ETH extended
	ltp8xONTEthFrameExtendedPerformMonitoringDSCounterValue	ETH extended
ETH extended upstream	ltp8xONTEthFrameExtendedPerformMonitoringUSCounterName	ETH extended
	ltp8xONTEthFrameExtendedPerformMonitoringUSCounterValue	ETH extended
ETH	ltp8xONTEthPerformMonitoringHistDataCounterName	ETH
	ltp8xONTEthPerformMonitoringHistDataCounterValue	ETH

:

```
snmpwalk -v2c -c <ro_community> <ipaddr>
<parameter_oid>.1.8.<dec_serial>.<eth_port_id>
```

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTEthFrameExtendedPerformMonitoringDSCounterName.1.8.69.76.84.88.36.168.0.18.1
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTEthFrameExtendedPerformMonitoringDSCounterValue.1.8.69.76.84.88.36.168.0.18.1
```

ETH extended downstream, 1- ETH- ONT ELTX24A80012.

downstream BER

ltp8xONTDownstreamBerTable .

:

```
snmpwalk -v2c -c <ro_community> <ipaddr> <parameter_oid>.1.<gpon_port>.8.<dec_serial>
```

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTDownstreamBerErrors.1.1.8.69.76.84.88.36.168.0.18
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTDownstreamBerIntervals.1.1.8.69.76.84.88.36.168.0.18
```

BER Errors BER Intervals ONT ELTX24A80012 0 gpon-.

downstream BER ONT , "1.8.<dec_serial>". BER Errors ONT.

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTDownstreamBerErrors
```

service utilization

ltp8xONTServicesUtilizationSettingsRowStatus

:

```
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.1.8.<dec_serial>.<serviceID> i 4
```

<serviceID> — +1.

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationSettingsRowStatus.1.8.69.76.84.88.92.9.8.120.1 i
4
```

utilization-enable 0, ONT 454C54585C090878

service-utilization

OID:

ltp8xONTServicesUtilizationLastUpstream 30

ltp8xONTServicesUtilizationLastDownstream 30

ltp8xONTServicesUtilizationAverageUpstream 5

ltp8xONTServicesUtilizationAverageDownstream 5

:

snmpwalk -v2c -c <rw_community> <ipaddr> <parameter_oid>.1.8.<dec_serial>.<serviceID>

<serviceID> — +1.

:

```
snmpwalk -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationLastUpstream.1.8.69.76.84.88.92.9.8.120.2
snmpwalk -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationLastDownstream.1.8.69.76.84.88.92.9.8.120.2
snmpwalk -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationAverageUpstream.1.8.69.76.84.88.92.9.8.120.2
snmpwalk -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationAverageDownstream.1.8.69.76.84.88.92.9.8.120.2
```

service 1.

service-utilization

:

snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.1.8.<dec_serial>.<serviceID> i 6

<serviceID> — +1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationSettingsRowStatus.1.8.69.76.84.88.92.9.8.120.1 i
6
```

utilization-enable 0, ONT 454C54585C090878

ONT

:

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTResetCountersAction.1.8.<dec_serial> u 1

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTResetCountersAction.1.8.69.76.84.88.36.168.0.18 u 1
```

ONT ELTX24A80012.

GPON-

:

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xPONChannelResetCounters.1.<gpon_port> u 1

:

- <gpon_port> — , 1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelResetCounters.1.7 u 1
```

GPON- 6.

OLT

LTP , Ethernet-, GE-.

(commit) .

:

snmpset -v2c -c <rw_community> -t 20 <ipaddr> ltp8xSaveConfig.0 u 1

:

```
snmpset -v2c -c private -t 20 192.168.0.1 ltp8xSaveConfig.0 u 1
```

:

snmpset -v2c -c <rw_community> -t 20 <ipaddr> ltp8xRereadConfig.0 u 1

:

```
snmpset -v2c -c private -t 20 192.168.0.1 ltp8xRereadConfig.0 u 1
```

VLAN

VLAN *ltp8xSwitchVLANTable*.

VLAN

:

snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANRowStatus.1.<vlan_id> i 4

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANRowStatus.1.156 i 4
```

VLAN 156.

VLAN

VLAN , 1 N- () N . *ltp8xSwitchPortsTable*. **snmpset**, hex-.

: *TaggedPorts* *UntaggedPorts*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANName.1.<vlan_id> s
"vlan_name" ltp8xSwitchVLANTaggedPorts.1.<vlan_id> x "<ports_mask>"
ltp8xSwitchVLANUntaggedPorts.1.<vlan_id> x "<ports_mask>"
ltp8xSwitchVLANIGMPSnoopingEnabled.1.<vlan_id> i 1/2
ltp8xSwitchVLANMLDSnoopingEnabled.1.<vlan_id> i 1/2
ltp8xSwitchVLANIGMPQueryInterval.1.<vlan_id> u <value>
ltp8xSwitchVLANMLDQueryInterval.1.<vlan_id> u <value>
ltp8xSwitchVLANIGMPMrouterPorts.1.<vlan_id> x <ports_mask>
ltp8xSwitchVLANMLDMrouterPorts.1.<vlan_id> x <ports_mask>
ltp8xSwitchVLANIsolationEnabled.1.<vlan_id> i 1/2
ltp8xSwitchVLANIsolationGroup.1.<vlan_id>.<group_id> u <port_id>
```

:

- <ports_mask> — ;
- <group_id> — , 1;
- <port_id> — *ltp8xSwitchPortsTable*.

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xSwitchVLANName.1.156 s "edited_by_snmp"
ltp8xSwitchVLANTaggedPorts.1.156 x "40000000"
ltp8xSwitchVLANUntaggedPorts.1.156 x "20000000"
ltp8xSwitchVLANIGMPSnoopingEnabled.1.156 i 1
ltp8xSwitchVLANMLDSnoopingEnabled.1.156 i 1
ltp8xSwitchVLANIGMPQueryInterval.1.156 u 300
ltp8xSwitchVLANMLDQueryInterval.1.156 u 400
ltp8xSwitchVLANIGMPMrouterPorts.1.156 x "FF000000"
ltp8xSwitchVLANMLDMrouterPorts.1.156 x "FF000000"
ltp8xSwitchVLANIsolationEnabled.1.156 i 1
ltp8xSwitchVLANIsolationGroup.1.156.2 u 3
```

VLAN 156 "edited_by_snmp", pon-port 1 tagged, pon-port 2 untagged, IGMP MLD snooping, IGMPQueryInterval=300 MLDQueryInterval=400, IGMP MLD snooping mrouter 10G-front-port 0-1, vlan isolation group 2.

VLAN

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANRowStatus.1.<vlan_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANRowStatus.1.156 i 6
```

VLAN 156 .

VLAN, VLAN

VLAN :

:

```
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xSwitchVLANName.1
```

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xSwitchVLANName.1
```

VLAN.

VLAN :

:

```

snmpget -v2c -c <ro_community> <ipaddr> ltp8xSwitchVLANName.1.<vlan_id>
ltp8xSwitchVLANTaggedPorts.1.<vlan_id> ltp8xSwitchVLANUntaggedPorts.1.<vlan_id>
ltp8xSwitchVLANIGMPSnoopingEnabled.1.<vlan_id>
ltp8xSwitchVLANIGMPSnoopingQuerierEnabled.1.<vlan_id>
ltp8xSwitchVLANIGMPQueryInterval.1.<vlan_id>
ltp8xSwitchVLANMLDSnoopingEnabled.1.<vlan_id>
ltp8xSwitchVLANMLDSnoopingQuerierEnabled.1.<vlan_id>
ltp8xSwitchVLANMLDQueryInterval.1.<vlan_id>
ltp8xSwitchVLANIGMPMrouterPorts.1.<vlan_id>
ltp8xSwitchVLANMLDMrouterPorts.1.<vlan_id>
ltp8xSwitchVLANIsolationEnabled.1.<vlan_id>
ltp8xSwitchVLANIsolationGroup.1.<vlan_id>.<group_id>

```

:

```

snmpget -v2c -c public 192.168.0.1 ltp8xSwitchVLANName.1.156
ltp8xSwitchVLANTaggedPorts.1.156 ltp8xSwitchVLANUntaggedPorts.1.156
ltp8xSwitchVLANIGMPSnoopingEnabled.1.156
ltp8xSwitchVLANIGMPSnoopingQuerierEnabled.1.156
ltp8xSwitchVLANIGMPQueryInterval.1.156
ltp8xSwitchVLANMLDSnoopingEnabled.1.156
ltp8xSwitchVLANMLDSnoopingQuerierEnabled.1.156
ltp8xSwitchVLANMLDQueryInterval.1.156 ltp8xSwitchVLANIGMPMrouterPorts.1.156
ltp8xSwitchVLANMLDMrouterPorts.1.156 ltp8xSwitchVLANIsolationEnabled.1.156
ltp8xSwitchVLANIsolationGroup.1.156.2

```

VLAN.

Terminal VLAN

Terminal VLAN *ltp8xOLTTerminalVLANsNamesTable*.

:

```

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xOLTTerminalVLANsNamesRowStatus.<t_vlan_id> i 4
ltp8xOLTTerminalVLANsNamesName.<t_vlan_id> s "<t_vlan_name>"

```

:

```

snmpset -v2c -c private 192.168.0.1
ltp8xOLTTerminalVLANsNamesRowStatus.1 i 4
ltp8xOLTTerminalVLANsNamesName.1 s "created_by_snmp"

```

Terminal VLAN 1 "created_by_snmp".

Terminal VLAN *ltp8xOLTTerminalVLANsTable*.

:

```

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xOLTTerminalVLANsVID.1.<t_vlan_id> u <vlan_id>
ltp8xOLTTerminalVLANsCOS.1.<t_vlan_id> i <cos>

```

:

```

snmpset -v2c -c private 192.168.0.1
ltp8xOLTTerminalVLANsVID.1.1 u 80
ltp8xOLTTerminalVLANsCOS.1.1 i 255

```

Terminal VLAN 1 vlan_id = 80, cos = unused.

```
:/
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xOLTTerminalVLANsNamesRowStatus.<t_vlan_id> i 6
```

```
snmpset -v2c -c private 192.168.0.1
ltp8xOLTTerminalVLANsNamesRowStatus.1 i 6
```

Terminal VLAN 1 .

Terminal VLAN, Terminal VLAN

Terminal VLAN :

```
:/
snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xOLTTerminalVLANsNamesName
```

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xOLTTerminalVLANsNamesName
```

Terminal VLAN.

VLAN :

```
:/
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTTerminalVLANsName.1.<t_vlan_id>
ltp8xOLTTerminalVLANsVID.1.<t_vlan_id>
ltp8xOLTTerminalVLANsCOS.1.<t_vlan_id>
```

```
snmpget -v2c -c public 192.168.0.1
ltp8xOLTTerminalVLANsName.1.1
ltp8xOLTTerminalVLANsVID.1.1
ltp8xOLTTerminalVLANsCOS.1.1
```

Terminal VLAN.

IGMP/MLD

IGMP/MLD Snooping

IGMP/MLD *ltp8xSwitchIGMPSnoopingTable*. OID .

3 — OID

	OID	
IGMP Snooping	ltp8xSwitchIGMPSnoopingEnabled	: 1 —
MLD Snooping	ltp8xSwitchMLDSnoopingEnabled	Enable 2 — Disable

```
:/
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.1 i <value>
```

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchIGMPSnoopingEnabled.1 i 1
```

IGMP Snooping.

IGMP Snooping, Querier VLAN

VLAN.

OLT, ONT

Address-table

address-table *ltp8xOLTAddressTableProfilesTable ltp8xOLTAddressTableProfileSVLANTable.* S-VLAN .

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOLTAddressTableProfilesRowStatus.<profile_index> i 4
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOLTAddressTableProfileSVLANRowStatus.<profile_index>.<vlan_id> i 4
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfilesRowStatus.2 i 4
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfileSVLANRowStatus.2.1234 i 4
```

address-table 2. s-vlan 1234.

s-vlan *ltp8xOLTAddressTableProfilesTable ltp8xOLTAddressTableProfileSVLANTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>
<parameter_oid_ProfilesTable>.<profile_id> <par_type> <par_value>
<parameter_oid_ProfileSVLANTable>.<profile_id>.<vlan_id> <par_type> <par_value>
```

:

```
<parameter_oid_ProfilesTable> — MIB ltp8xOLTAddressTableProfilesTable;
<parameter_oid_ProfileSVLANTable> — MIB ltp8xOLTAddressTableProfileSVLANTable;
<profile_id> — ;
<par_type> — ;
<par_value> — .
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfilesDescription.2 s
"edited_by_snmp"
```

address-table 2 "edited_by_snmp".

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOLTAddressTableProfilesRowStatus.<profile_index> i 6
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOLTAddressTableProfileSVLANRowStatus.<profile_index>.<vlan_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfilesRowStatus.2 i 6
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfileSVLANRowStatus.2.1234 i 6
```

address-table 2, S-VLAN 1234 address-table 2.

Cross-connect

cross-connect *ltp8xONTCrossConnectProfileTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xONTCrossConnectRowStatus.<profile_index> i 4
```

:

```
snmpset -v2c -c private 192.168.0.1  
ltp8xONTCrossConnectRowStatus.2 i 4
```

Cross-connect 2.

Cross-connect , vlan_id terminal-vlan — -100 (terminal-vlan-0), -131 (terminal-vlan-31).

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
<parameter_oid_1>.<profile_id> <par1_type> <par1_value>  
<parameter_oid_2>.<profile_id> <par2_type> <par2_value>  
...  
<parameter_oid_N>.<profile_id> <parN_type> <parN_value>
```

:

- <parameter_oid_N> — MIB;
- <profile_id> — ;
- <parN_type> — ;
- <parN_value> — .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTCrossConnectName.2 s  
"edited_by_snmp" ltp8xONTCrossConnectModel.2 i 1  
ltp8xONTCrossConnectBridgeGroup.2 u 5 ltp8xONTCrossConnectUVID.2 i -101
```

Cross-connect 2 "edited_by_snmp", type "ont", bridge group = 5 UVID, terminal-vlan-1.

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xONTCrossConnectRowStatus.<profile_index> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTCrossConnectRowStatus.2 i 6
```

Cross-connect 2

:

```
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTCrossConnectName
```

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTCrossConnectName
```

DBA

DBA *ltp8xONTAllocProfileTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xONTAllocRowStatus.<profile_index> i 4
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTAllocRowStatus.3 i 4
```

DBA 3.

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
<parameter_oid_1>.<profile_id> <par1_type> <par1_value>  
<parameter_oid_2>.<profile_id> <par2_type> <par2_value>  
.....  
<parameter_oid_N>.<profile_id> <parN_type> <parN_value>
```

:

- <parameter_oid_N> — MIB;
- <profile_id> — ;
- <parN_type> — ;
- <parN_value> — .

:

```
snmpset -v2c -c private 192.168.0.1  
ltp8xONTAllocName.3 s "edited_by_snmp"  
ltp8xONTAllocServiceClass.3 i 3  
ltp8xONTAllocFixedBandwidth.3 u 269248
```

DBA 3 "edited_by_snmp", service class = cbr fixed bandwidth 269248.

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xONTAllocRowStatus.<profile_index> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTAllocRowStatus.3 i 6
```

DBA 3.

:

```
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTAllocName
```

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTAllocName
```

Ports

Ports :

- ltp8xONTPortsProfileTable — ;
- ltp8xONTPortsProfileUNITable — UNI-;
- ltp8xONTPortsProfileMCDynamicEntriesTable — IGMP multicast dynamic entries;
- ltp8xONTPortsProfileMLDDynamicEntriesTable — MLD multicast dynamic entries.

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xONTPortsRowStatus.<profile_index> i 4
```

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsRowStatus.4 i 4  
Ports 4.
```

```
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.<profile_id>  
<par1_type> <par1_value> <parameter_oid_2>.<profile_id> <par2_type>  
<par2_value> ... <parameter_oid_N>.<profile_id>  
<parN_type> <parN_value>
```

- <parameter_oid_N> — MIB;
- <profile_id> — ;
- <parN_type> — ;
- <parN_value> — .

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsName.4 s  
"edited_by_snmp" ltp8xONTPortsMulticastIPVersion.4 i 1  
ltp8xONTPortsMLDVersion.4 u 1 ltp8xONTPortsMLDQueryInterval.4 u 120
```

Ports 4 "edited_by_snmp", IPv6, MLD v1 MLD query interval 120.

UNI-:

(0-3)

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsUNIBridgeGroup.4.0 i  
100 ltp8xONTPortsUNIMulticastEnabled.4.0 i 1  
ltp8xONTPortsUNIMaxGroups.4.0 u 500
```

Ports 4, 0, bridge group = 100, max groups = 500 multicast.

IGMP multicast dynamic entries:

dynamic entry (0-19).

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsMCVLANID.4.14 u 200
ltp8xONTPortsMCFirstGroupIP.4.14 a 224.0.0.0
ltp8xONTPortsMCLastGroupIP.4.14 a 239.255.255.255
```

multicast dynamic entry (14) Ports (c 4) : vlan_id = 200, first group ip = 224.0.0.0, last group ip = 239.255.255.255.

MLD multicast dynamic entries:

dynamic entry (0-19).

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsMLDVLANID.4.12 u 30
ltp8xONTPortsMLDMCFirstGroupIP.4.12 x "FF0100000000000000000000000000FC"
ltp8xONTPortsMLDMCLastGroupIP.4.12 x "FF0100000000000000000000000000FD"
ltp8xONTPortsMLDMCPreviewLength.4.12 u 1024
```

multicast dynamic entry (12) Ports (c 4) : vlan_id = 30, first group ip = FF01:0:0:0:0:0:FC, last group ip = FF01:0:0:0:0:0:FD preview length = 1024

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTPortsRowStatus.<profile_index> i 6**

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsRowStatus.4 i 6
Ports 4.
```

:

snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTPortsName

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTPortsName
```

PON

, PON

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xPONChannelEnabled.1.<gpon_port> i <value>**

:

- <gpon_port> — , 1;
- <value> — : 1 — Enable; 2 — Disable.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelEnabled.1.1 i 2
```

gpon-port 0.

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xPONChannelReconfigure.1.<gpon_port> u 1
```

:

- <gpon_port> — , 1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelReconfigure.1.1 u 1
```

gpon-port 0.

unknown multicast forwarding

unknown multicast gpon-.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xPONChannelUnknownMulticastForwardEnabled.1.<GPON-port-id>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelUnknownMulticastForwardEnabled.1.1 i 1
```

unknown multicast forwarding gpon 1.

pon- pon- switch.

pon- switch *ltp8xSwitchPortsName*.

Ethernet-

ltp8xSwitchPortCountersTable.

:

```
snmpget -v2c -c <ro_community> <ipaddr> <counter_oid>.1.<port_index>
```

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchPortGoodOctetsRcv.1.16  
ltp8xSwitchPortGoodPktsRcv.1.16
```

3- pon-.

ltp8xSwitchPortsUtilization.

:

```
snmpget -v2c -c <ro_community> <ipaddr> <utilization_oid>.1.<port_index>
```

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPortsUtilizationLastKbitsSent.1.20
ltp8xPortsUtilizationLastKbitsRecv.1.20
ltp8xPortsUtilizationLastFramesSent.1.20
ltp8xPortsUtilizationLastFramesRecv.1.20
ltp8xPortsUtilizationAverageKbitsSent.1.20
ltp8xPortsUtilizationAverageKbitsRecv.1.20
ltp8xPortsUtilizationAverageFramesSent.1.20
ltp8xPortsUtilizationAverageFramesRecv.1.20
```

7- pon-.

switch

pvid, bridging

PVID

PVID *ltp8xSwitchPortConfigPVID.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xSwitchPortConfigPVID.1.<port_index> u <vlan_id>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortConfigPVID.1.2 u 156
```

pvid=156 front-port 1.

bridging

bridging- *ltp8xSwitchPortConfigBridging.* , 1 N- () N . *ltp8xSwitchPortsTable.* **snmpset** hex-.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xSwitchPortConfigBridging.1.<port_index> x <ports_mask>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortConfigBridging.1.6 x 0033F000
```

bridging pon-port 0-7 front-port 5.

Port Channel

Port-Channel *ltp8xSwitchPortGroupTable ltp8xSwitchPortConfigGroup .*

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchPortConfigGroup.1.<port_channel_index> i 4
```

:

- <port_channel_index> — Channel Group.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortGroupRowStatus.1.3 i 4
```

Channel Group 3.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchPortConfigGroup.1.<interface_id> u <port_channel_index>
```

:

- <interface_id> — , *ltp8xSwitchPortsTable*.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortConfigGroup.1.8 u 3
```

Front-Port 7 Channel Group 3.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchPortConfigGroup.1.<port_channel_index> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortGroupRowStatus.1.3 i 6
```

Channel Group 3.

multicast loopback

multicast loopback *ltp8xSwitchVLANTable ltp8xSwitchPortConfigTable. ltp8xSwitchPortsTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANMulticastLoopbackEnabled.1.<vlan_id>
```

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchPortConfigMulticastLoopbackPonEnabled.1.<interface_pon_port_id>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANMulticastLoopbackEnabled.1.205
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortConfigMulticastLoopbackPonEnabled.1.15
```

multicast loopback VLAN id 205 pon-port 2.

IP Source Guard

IP Source Guard *ltp8xIPSourceGuard.*

IP Source Guard *ltp8xIPSourceGuardConfigTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xIPSourceGuardEnabled.1 i
1/2 ltp8xIPSourceGuardMode.1 u 0/1 ltp8xIPSourceGuardDatabaseEnabled.1 i
1/2 ltp8xIPSourceGuardDatabaseUpdateFreq.1 u <value>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIPSourceGuardEnabled.1 i 1
ltp8xIPSourceGuardMode.1 u 0 ltp8xIPSourceGuardDatabaseEnabled.1 i 1
ltp8xIPSourceGuardDatabaseUpdateFreq.1 u 1020
```

IP Source Guard, static, IP Source Guard Database 1020 .

IP Source Guard Bind

IP Source Guard Bind *ltp8xIPSourceGuardBindTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xIPSourceGuardBindRowStatus.1.1.2.3.4 i <value>
ltp8xIPSourceGuardBindMAC.1.1.2.3.4 s "<MAC-addr>"
ltp8xIPSourceGuardBindONTChannel.1.1.2.3.4 u <gpon-port>
ltp8xIPSourceGuardBindONTID.1.1.2.3.4 u <ONT-id>
ltp8xIPSourceGuardBindService.1.1.2.3.4 u <ONT-service-id>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xIPSourceGuardBindRowStatus.1.1.2.3.4 i 4
ltp8xIPSourceGuardBindMAC.1.1.2.3.4 s "33:33:33:22:22:22"
ltp8xIPSourceGuardBindONTChannel.1.1.2.3.4 u 1 ltp8xIPSourceGuardBindONTID.1.1.2.3.4 u 1
ltp8xIPSourceGuardBindService.1.1.2.3.4 u 2
```

IP- 1.2.3.4 MAC- 33:33:33:22:22:22 2 ONT.

IP Source Guard Ignored Vlan

IP Source Guard Ignored Vlan *ltp8xIPSourceGuardIgnoredVlanTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xIPSourceGuardIgnoredVlanRowStatus.1.<vlan_id> i <value>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIPSourceGuardIgnoredVlanRowStatus.1.222 i 4
```

IPSG VLAN 222.

/,

OLT (tftp/http)

OLT

:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationBinaryCfg.0 s
"<server_ip> <file_path> <download_protocol>"
```

- <server_ip> — ip- tftp/http ;
- <file_path> — ;
- <download_protocol> — download/httpdownload tftp/http .

:

```
snmpset -v2c -c private -t 20 -r 0 192.168.0.1
cmdFileOperationBinaryCfg.0 s "192.168.16.55:8080 station_images/ltp-8x
revc-3.32.0.1260.fw.bin httpdownload"
```

station_images/ltp-8x-revc-3.32.0.1260.fw.bin http- 192.168.0.55, .

LTP

:

```
snmpget -v2c -c <ro_community> <ipaddr> ltp8xFirmwareRevision.0
```

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xFirmwareRevision.0
```

:

snmpset -v2c -c <rw_community> <ipaddr> ltp8xRebootTimeout.0 u <value>

:

- <value> — , .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xRebootTimeout.0 u 0
```

ONT

ONT *ltp8xONTFirmwaresDownload.*

ltp8xONTFirmwaresDownloadPath	ONT
ltp8xONTFirmwaresDownloadIPAddress	IP-
ltp8xONTFirmwaresDownloadProtocol	http/tftp
ltp8xONTFirmwaresDownloadPort	
ltp8xONTFirmwaresDownloadAction	

:

**snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTFirmwaresDownloadPath.0 s "<file_name>" ltp8xONTFirmwaresDownloadIPAddress.0 a <server_ip>
ltp8xONTFirmwaresDownloadProtocol.0 i <download_protocol>
ltp8xONTFirmwaresDownloadPort.0 u <server_port>
ltp8xONTFirmwaresDownloadAction.0 u 1**

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwaresDownloadPath.0 s  
"ntp-rg-revb-3.24.3.87.fw.bin" ltp8xONTFirmwaresDownloadIPAddress.0 a  
192.168.0.55 ltp8xONTFirmwaresDownloadProtocol.0 i 2  
ltp8xONTFirmwaresDownloadPort.0 u 8080 ltp8xONTFirmwaresDownloadAction.0 u 1
```

ntp-rg-revb-3.24.3.87.fw.bin 8080 http- 192.168.0.55.

:

snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTFirmwaresFileName

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTFirmwaresFileName
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xONTFirmwaresFilesDelete.<file_id> u 1
```

:

- <file_id> — ID ONT (. . 3.3.2).

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwaresFilesDelete.2 u 1
```

2.

/

:

TFTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s  
"<tftp_server_ip> <tftp_path> upload"
```

HTTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s  
"<http_server_ip> <http_path> httpupload"
```

:

- <tftp_path>, <http_path> — .

:

```
snmpset -v2c -c private 192.168.0.1 cmdFileOperationPrivateCfg.0 s  
"192.168.0.55 new_config.cfg upload"
```

TFTP 192.168.0.55 new_config.cfg.

:

TFTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s  
"<tftp_ip> <tftp_path> download"
```

HTTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s  
"<http_ip> <http_path> httpdownload"
```

:

- <tftp_path>, <http_path> — .

:

```
snmpset -v2c -c private 192.168.0.1 cmdFileOperationPrivateCfg.0 s  
"192.168.0.55:8080 config/new_config.cfg httpdownload"
```

HTTP 192.168.0.55, 8080, config/new_config.cfg, , :

:

TFTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<tftp_ip> <tftp_path> apply"
```

HTTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<http_ip> <http_path> apply"
```

:

- <tftp_path>, <http_path> — .

:

```
snmpset -v2c -c private 192.168.0.1 cmdFileOperationPrivateCfg.0 s
"192.168.0.55:8080 config/new_config.cfg apply"
```

OLT

:

:

```
snmpget -v2c -c <ro_community> <ipaddr> omsActiveAlarms.0
```

:

```
snmpget -v2c -c public 192.168.0.1 omsActiveAlarms.0
```

:

:

```
snmpset -v2c -c <rw_community> <ipaddr> omsActiveAlarms.0 u 1
```

:

```
snmpset -v2c -c private 192.168.0.1 omsActiveAlarms.0 u 1
```

snmp-trap.

LTP

LTP *ltp8xSystem ltp8xBoardStatus.*

:

```
snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.0
```

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSystemMacAddress.0
ltp8xFan1RPM.0 ltp8xRAMFree.0
```

MAC-LTP Fan1, .

LTP *ltp8xPowerSupplyTable.*

:

snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.<module_id>

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPowerSupplyModulePresent.1
ltp8xPowerSupplyModuleName.1 ltp8xPowerSupplyModuleType.1
ltp8xPowerSupplyModuleIntact.1
```

id=1, .

PON-

ifTable.

:

snmpget -v2c -c <ro_community> <ipaddr> ifOperStatus.<ifIndex>

:

```
snmpget -v2c -c public 192.168.0.1 ifOperStatus.11
```

front-port 2.

pon- *ltp8xPONChannelStateTable.*

:

snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.1.<pon_channel_id>

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPONChannelONTCount.1.4
ltp8xPONChannelSFPVendor.1.4
ltp8xPONChannelSFPProductNumber.1.4 ltp8xPONChannelSFRevision.1.4
```

3- ONT SFP.

MAC

MAC- switch *ltp8xSwitchMacListTable.*

MAC- switch:

:

**snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xSwitchMacListMacAddressString.1**

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xSwitchMacListMacAddressString.1
```

MAC- .

, , :

:

**snmpget -v2c -c <ro_community> <ipaddr>
ltp8xSwitchMacListInterface.1.<vlan_id>.<dec_macaddress>
ltp8xSwitchMacListStatic.1.<vlan_id>.<dec_macaddress>**

:

- <dec_macaddress> — MAC-, .

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xSwitchMacListInterface.1.236.152.222.208.0.205.252
ltp8xSwitchMacListStatic.1.236.152.222.208.0.205.252
```

, MAC- 98:de:d0:00:cd:fc 236 VLAN.

Multicast

IGMP-

PPPoE-

PPPoE- *ltp8xOLTPPPoESessionsTable.*

MAC- :

snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xOLTPPPoESessionsClientMac.1

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xOLTPPPoESessionsClientMac.1
```

MAC- GPON-PORT/ONT ID.

, (ONT GEM-, ID PPPoE, PPPoE, ONT ONT PPPoE-. profile pppoe-ia, ONT):

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsPort.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSessionID.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsDuration.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsUnblock.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSerial.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
```

- <gpon_port> — , 1.

```
snmpget -v2c -c public 192.168.0.1
ltp8xOLTPPPoESessionsPort.1.7.0.6.168.249.75.90.189.124
ltp8xOLTPPPoESessionsSessionID.1.7.0.6.168.249.75.90.189.124
ltp8xOLTPPPoESessionsDuration.1.7.0.6.168.249.75.90.189.124
ltp8xOLTPPPoESessionsUnblock.1.7.0.6.168.249.75.90.189.124
ltp8xOLTPPPoESessionsSerial.1.7.0.6.168.249.75.90.189.124
```

PPPoE- ONT 6/0 MAC a8:f9:4b:5a:bd:7c.

ltp8xLicense.

snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xLicense

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xLicense
```

« «» :

: <https://eltex-co.ru/support/>

Servicedesk: <https://servicedesk.eltex-co.ru>

« «», , .

: <https://eltex-co.ru/>

: <https://eltex-co.ru/forum>

: <https://docs.eltex-co.ru/display/EKB/Eltex+Knowledge+Base>

: <https://eltex-co.ru/support/downloads>

7.0	10.12.2020	3.40.0	3.40.0
6.0	20.05.2020	3.38.2	3.38.2
5.0	07.02.2020	3.38.1	3.38.1
4.0	13.12.2019	3.38.0	3.38.0 : • service utilization; • service-utilization; • service-utilization; • unknown multicast forwarding.
3.0	08.10.2019	3.36.2	3.36.2
2.0	25.02.2019	3.36.0	: • Channel Group; • address-table; • multicast loopback; • downstream-ber .
1.0	03.07.2018	3.32.0	